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RAW SEQUENCE LISTING DATE: 01/28/2002
PATENT APPLICATION: US/10/046,722 TIME: 14:05:55

Input Set : A:\yanagawa sequence listing.txt
Output Set: N:\CRF3\01282002\J046722.raw

SEQUENCE LISTING

ENTERED

2 (1) GENERAL INFORMATION:
3 (i) APPLICANT: Hiroshi YANAGAWA et al.
4 (ii) TITLE OF INVENTION: Molecule Assigning Genotype To
5 Phenotype And Use Thereof
6 (iii) NUMBER OF SEQUENCES: 26
7 (iv) CORRESPONDENCE ADDRESS:
8 (A) ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
9 (B) STREET: 2033 K Street, N.W., Suite 800
10 (C) CITY: Washington
11 (D) STATE: D.C.
12 (E) COUNTRY: USA
13 (F) ZIP: 20006
14 (v) COMPUTER READABLE FORM:
15 (A) MEDIUM TYPE: Floppy disk
16 (B) COMPUTER: IBM PC compatible
17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
18 (D) SOFTWARE: PatentIn
19 (vi) CURRENT APPLICATION DATA:
C--> 20 (A) APPLICATION NUMBER: US/10/046,722
C--> 21 (B) FILING DATE: 17-Jan-2002
22 (C) CLASSIFICATION:
23 (D) REFERENCE: 2001-1921/LC/01416
24 (vii) PRIOR APPLICATION DATA:
25 (A) APPLICATION NUMBER: 09/284,627
26 (B) FILING DATE: 02-Jun-99
28 (2) INFORMATION FOR SEQ ID NO: 1:
29 (i) SEQUENCE CHARACTERISTICS:
30 (A) LENGTH: 33
31 (B) TYPE: nucleic acid
32 (C) STRANDEDNESS: single
33 (D) TOPOLOGY: linear
C--> 34 (ii) MOLECULE TYPE: other nucleic acid
35 (A) DESCRIPTION: synthetic DNA
36 (ix) FEATURE:
37 (D) OTHER INFORMATION: T7 promoter upstream
38 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
39 GAGCATAGAT CTCGATCCCG CGAAATTAAT ACG
41 (2) INFORMATION FOR SEQ ID NO: 2:
42 (i) SEQUENCE CHARACTERISTICS:
43 (A) LENGTH: 33
44 (B) TYPE: nucleic acid
45 (C) STRANDEDNESS: single

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46          (D) TOPOLOGY: linear
C--> 47      (ii) MOLECULE TYPE: other nucleic acid
48          (A) DESCRIPTION: synthetic DNA
49      (ix) FEATURE:
50          (D) OTHER INFORMATION: includes a termination codon
51      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
52      GCAGCCGGAT CCTTACTACT TGTGGGTTTC AAT
54 (2) INFORMATION FOR SEQ ID NO: 3:
55      (i) SEQUENCE CHARACTERISTICS:
56          (A) LENGTH: 33
57          (B) TYPE: nucleic acid
58          (C) STRANDEDNESS: single
59          (D) TOPOLOGY: linear
C--> 60      (ii) MOLECULE TYPE: other nucleic acid
61          (A) DESCRIPTION: synthetic DNA
62      (ix) FEATURE:
63          (D) OTHER INFORMATION: includes an initiation codon;
64      complementary to SEQ ID NO: 4
65      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
66      GGACATGACA TTCATCATGT CTGGCATATG TAT
68 (2) INFORMATION FOR SEQ ID NO: 4:
69      (i) SEQUENCE CHARACTERISTICS:
70          (A) LENGTH: 33
71          (B) TYPE: nucleic acid
72          (C) STRANDEDNESS: single
73          (D) TOPOLOGY: linear
C--> 74      (ii) MOLECULE TYPE: other nucleic acid
75          (A) DESCRIPTION: synthetic DNA
76      (ix) FEATURE:
77          (D) OTHER INFORMATION: includes an initiation codon;
78      complementary to SEQ ID NO: 3
79      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
80      ATACATATGC CAGACATGAT GAATGTCATG TCC
82 (2) INFORMATION FOR SEQ ID NO: 5:
83      (i) SEQUENCE CHARACTERISTICS:
84          (A) LENGTH: 16
85          (B) TYPE: nucleic acid
86          (C) STRANDEDNESS: single
87          (D) TOPOLOGY: linear
C--> 88      (ii) MOLECULE TYPE: other nucleic acid
89          (A) DESCRIPTION: synthetic DNA
90      (ix) FEATURE:
91          (D) OTHER INFORMATION: has a portion complementary to
92      SEQ ID NO: 6
93      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
94      GATCTATTTC TTATTC
96 (2) INFORMATION FOR SEQ ID NO: 6:
97      (i) SEQUENCE CHARACTERISTICS:
98          (A) LENGTH: 17

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33

33

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99      (B) TYPE: nucleic acid
100     (C) STRANDEDNESS: single
101     (D) TOPOLOGY: linear
C--> 102  (ii) MOLECULE TYPE: other nucleic acid
103     (A) DESCRIPTION: synthetic DNA
104     (ix) FEATURE:
105         (D) OTHER INFORMATION: has an initiation codon;
106 complementary to SEQ ID NO: 5
107     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
108     GAAGAGAATA AGAAATA
109
110 (2) INFORMATION FOR SEQ ID NO: 7:
111     (i) SEQUENCE CHARACTERISTICS:
112         (A) LENGTH: 17
113         (B) TYPE: nucleic acid
114         (C) STRANDEDNESS: single
115         (D) TOPOLOGY: linear
C--> 116  (ii) MOLECULE TYPE: other nucleic acid
117     (A) DESCRIPTION: synthetic DNA
118     (ix) FEATURE:
119         (D) OTHER INFORMATION: has a portion complementary to
120 SEQ ID NO: 6
121     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
122     TCTTCTATTT CTTATTC
123
124 (2) INFORMATION FOR SEQ ID NO: 8:
125     (i) SEQUENCE CHARACTERISTICS:
126         (A) LENGTH: 30
127         (B) TYPE: nucleic acid
128         (C) STRANDEDNESS: single
129         (D) TOPOLOGY: linear
C--> 130  (ii) MOLECULE TYPE: other nucleic acid
131     (A) DESCRIPTION: synthetic DNA
132     (ix) FEATURE:
133         (D) OTHER INFORMATION: has a portion complementary to
134 SEQ ID NO: 9
135     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
136     GGGTAAACGA ATGAACAAGA ATAAGAAATA
137
138 (2) INFORMATION FOR SEQ ID NO: 9:
139     (i) SEQUENCE CHARACTERISTICS:
140         (A) LENGTH: 108
141         (B) TYPE: nucleic acid
142         (C) STRANDEDNESS: single
143         (D) TOPOLOGY: linear
C--> 144  (ii) MOLECULE TYPE: other nucleic acid
145     (A) DESCRIPTION: synthetic DNA
146     (ix) FEATURE:
147         (D) OTHER INFORMATION: has a sequence of an alanyl tRNA
148     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
149     TTGTTTCATTC GTTTACCCGG GGCTATAGCT CAGCTGGGAG AGCGCCTGCT TCTAACGCAG 60
150     GAGGTCTGCG GTTCGATCCC GCGTAGCTCC ACCAGGAGGC GACTAGCT 108

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152 (2) INFORMATION FOR SEQ ID NO: 10:
153   (i) SEQUENCE CHARACTERISTICS:
154       (A) LENGTH: 23
155       (B) TYPE: nucleic acid
156       (C) STRANDEDNESS: single
157       (D) TOPOLOGY: linear
C--> 158   (ii) MOLECULE TYPE: other nucleic acid
159       (A) DESCRIPTION: synthetic DNA
160   (ix) FEATURE:
161       (D) OTHER INFORMATION: has a 3'-side sequence of an
162   alanyl tRNA
163   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
164   GTGGAGCTAC GCGGGATCGA ACC
166 (2) INFORMATION FOR SEQ ID NO: 11:
167   (i) SEQUENCE CHARACTERISTICS:
168       (A) LENGTH: 25
169       (B) TYPE: nucleic acid
170       (C) STRANDEDNESS: single
171       (D) TOPOLOGY: linear
C--> 172   (ii) MOLECULE TYPE: other nucleic acid
173       (A) DESCRIPTION: synthetic DNA
174   (ix) FEATURE:
175       (D) OTHER INFORMATION: has no initiation codon
176   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
177   GCAGCCGGAT CCTTTCTGCT TGTGG
179 (2) INFORMATION FOR SEQ ID NO: 12:
180   (i) SEQUENCE CHARACTERISTICS:
181       (A) LENGTH: 21
182       (B) TYPE: nucleic acid
183       (C) STRANDEDNESS: single
184       (D) TOPOLOGY: linear
C--> 185   (ii) MOLECULE TYPE: other nucleic acid
186       (A) DESCRIPTION: synthetic DNA
187   (ix) FEATURE:
188       (D) OTHER INFORMATION: has a sequence partly
189   complementary to SEQ ID NO: 17
190   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
191   CTTTAATGAC CTCCCCTCTC C
193 (2) INFORMATION FOR SEQ ID NO: 13:
194   (i) SEQUENCE CHARACTERISTICS:
195       (A) LENGTH: 40
196       (B) TYPE: nucleic acid
197       (C) STRANDEDNESS: single
198       (D) TOPOLOGY: linear
C--> 199   (ii) MOLECULE TYPE: other nucleic acid
200       (A) DESCRIPTION: synthetic DNA
201   (ix) FEATURE:
202       (D) OTHER INFORMATION: has a sequence partly
203   complementary to SEQ ID NO: 17

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204      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
205      CTTTAATAAT TTTTTTTTTT TTTAATGACC TCCCCTCTCC      40
207 (2) INFORMATION FOR SEQ ID NO: 14:
208      (i) SEQUENCE CHARACTERISTICS:
209          (A) LENGTH: 60
210          (B) TYPE: nucleic acid
211          (C) STRANDEDNESS: single
212          (D) TOPOLOGY: linear
C--> 213      (ii) MOLECULE TYPE: other nucleic acid
214          (A) DESCRIPTION: synthetic DNA
215      (ix) FEATURE:
216          (D) OTHER INFORMATION: has a sequence partly
217 complementary to SEQ ID NO: 17
218      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
219      CTTTAATAAT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTAATGACC TCCCCTCTCC 60
221 (2) INFORMATION FOR SEQ ID NO: 15:
222      (i) SEQUENCE CHARACTERISTICS:
223          (A) LENGTH: 80
224          (B) TYPE: nucleic acid
225          (C) STRANDEDNESS: single
226          (D) TOPOLOGY: linear
C--> 227      (ii) MOLECULE TYPE: other nucleic acid
228          (A) DESCRIPTION: synthetic DNA
229      (ix) FEATURE:
230          (D) OTHER INFORMATION: has a sequence partly
231 complementary to SEQ ID NO: 17
232      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
233      CTTTAATAAT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT 60
234      TTTAATGACC TCCCCTCTCC      80
236 (2) INFORMATION FOR SEQ ID NO: 16:
237      (i) SEQUENCE CHARACTERISTICS:
238          (A) LENGTH: 25
239          (B) TYPE: nucleic acid
240          (C) STRANDEDNESS: single
241          (D) TOPOLOGY: linear
C--> 242      (ii) MOLECULE TYPE: other nucleic acid
243          (A) DESCRIPTION: synthetic DNA
244      (ix) FEATURE:
C--> 245          (B) LOCATION: 22..25
246          (D) OTHER INFORMATION: RNA
247      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
248      CTTACTGTCT TTTTTTTTTT TGAGC      25
250 (2) INFORMATION FOR SEQ ID NO: 17:
251      (i) SEQUENCE CHARACTERISTICS:
252          (A) LENGTH: 33
253          (B) TYPE: nucleic acid
254          (C) STRANDEDNESS: single
255          (D) TOPOLOGY: linear
C--> 256      (ii) MOLECULE TYPE: other nucleic acid

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VERIFICATION SUMMARY

DATE: 01/28/2002

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Input Set : A:\yanagawa sequence listing.txt

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L:20 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:34 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:47 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:60 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:74 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:88 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:102 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:116 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:130 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:144 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:158 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:172 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:185 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:199 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:213 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:227 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:242 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:245 M:220 C: Keyword misspelled or invalid format, [(B) LOCATION:]
L:256 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:270 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:284 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:298 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:312 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:328 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:342 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:356 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:369 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:383 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]